

4. Appendices

Appendix A – Pre-RSA Presentation

SEDGWICK ROAD ROAD SAFETY AUDIT

Ridgewood Road to South Main Street



SEPTEMBER 2024

INTRODUCTIONS



AGENDA

1. Welcome and Team Introductions
2. Study Purpose and Goals
3. Study Area
4. Review of Site-Specific Data and Issues
5. Next Steps for Tomorrow's Site Visit Audit

PURPOSE AND GOALS OF THE ROAD SAFETY AUDIT

Safety assessment of existing walking and biking routes

Improve transportation network for all users

Identify the issues that may discourage or prevent walking and bicycling

Identify next steps, evaluate feasibility of proposed improvements, and potential funding sources.

DELIVERABLES

- Existing Conditions Data Collection
- Pre-Audit Meeting
- Field Audit
- Post Audit Meeting
- Road Safety Audit Report



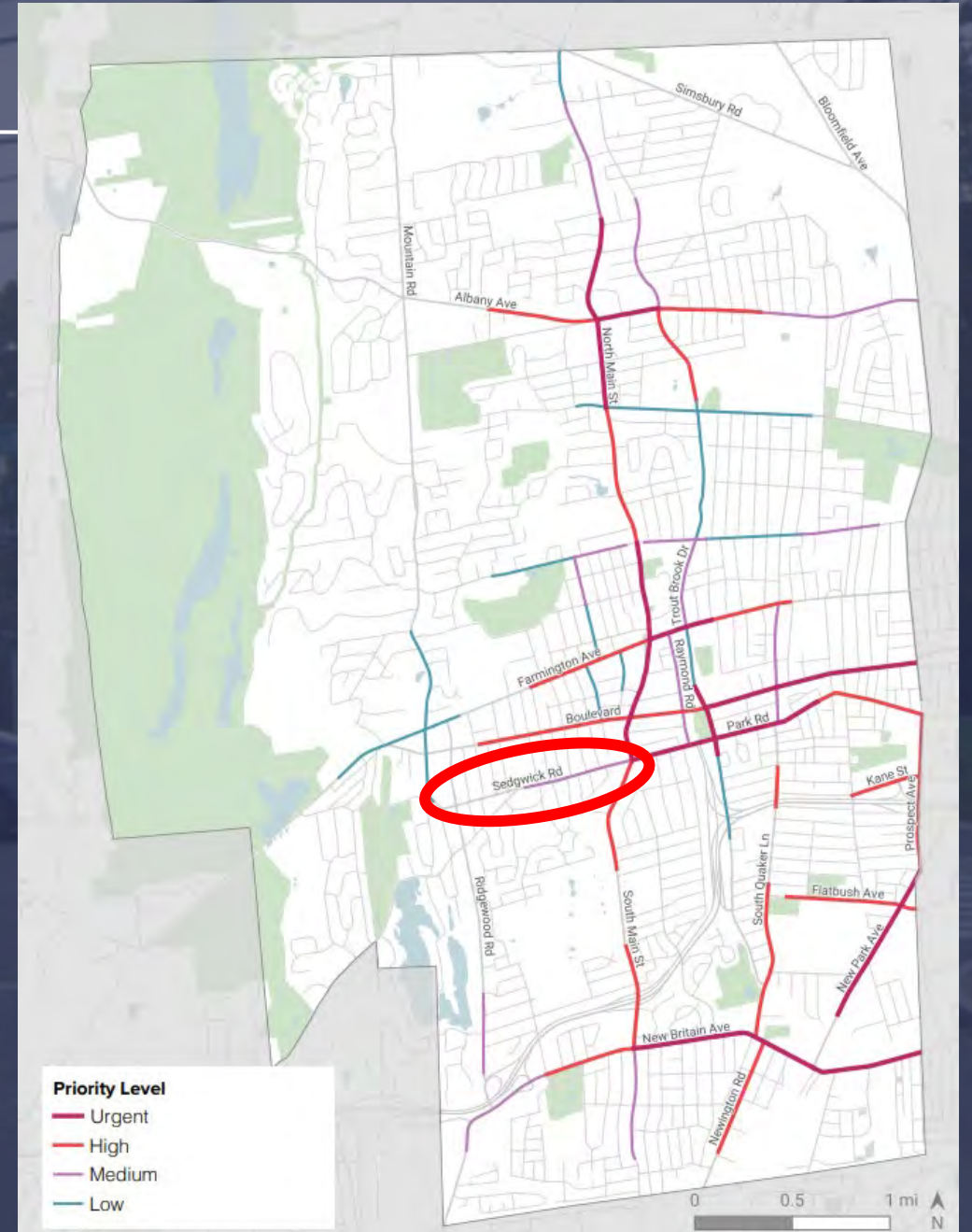
STUDY AREA

- Sedgwick Road from Ridgewood Road to South Main Street



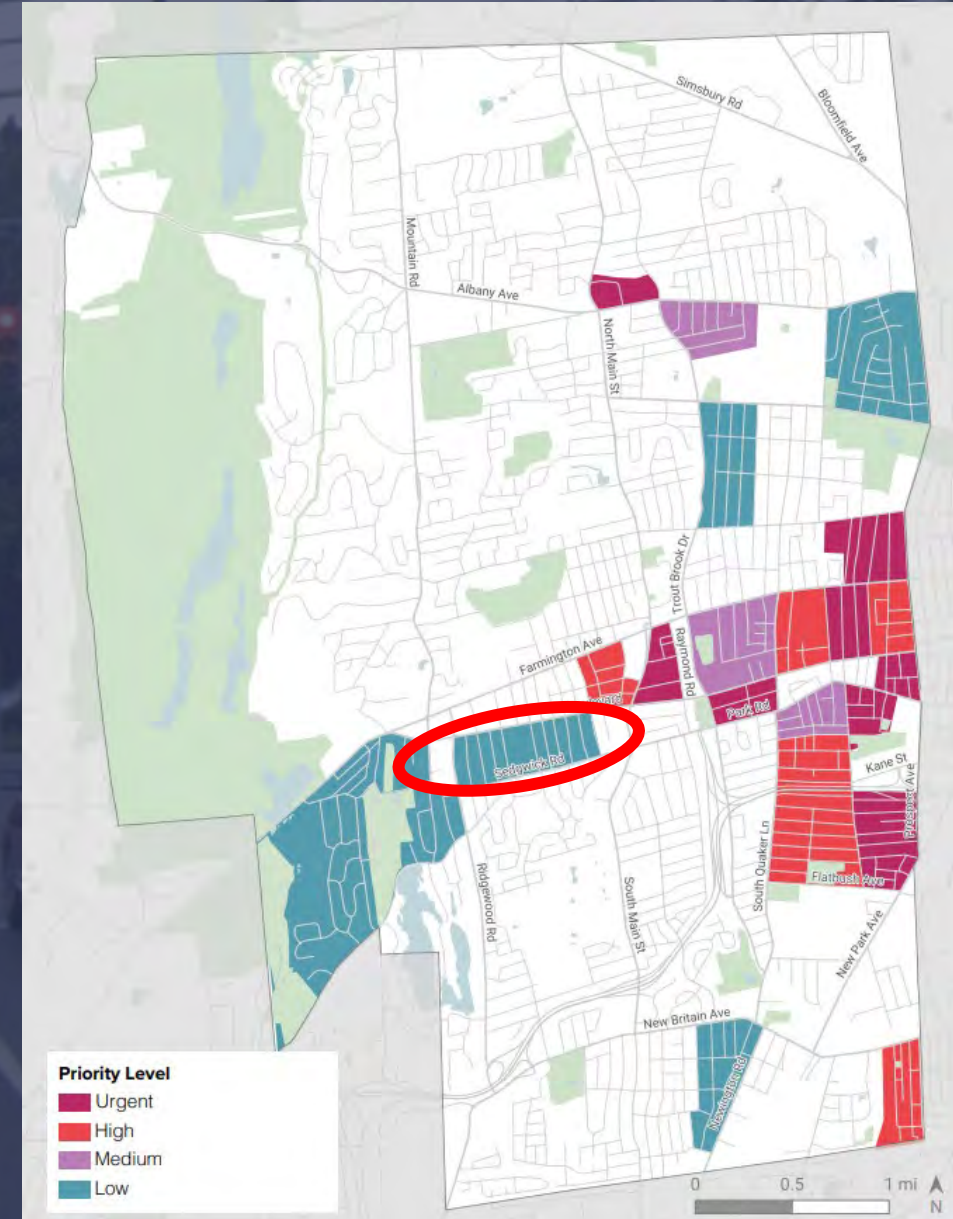
VISION ZERO FOCUS AREA STREETS

- West Hartford High Injury Network
- Public input identified nearby neighborhood as area of interest for Vision Zero
- Access to Sedgwick Middle School and Duffy Elementary School



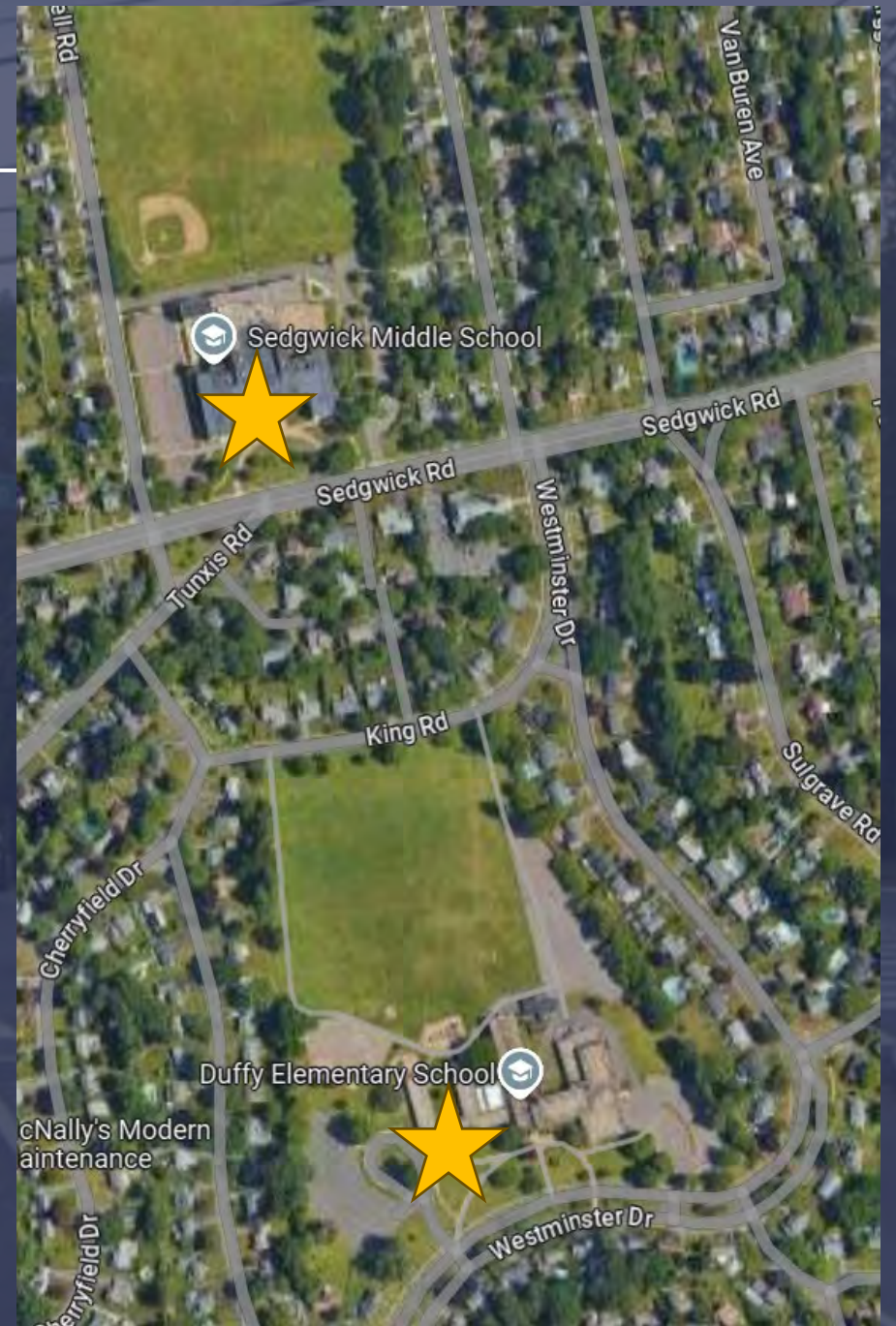
VISION ZERO FOCUS AREA NEIGHBORHOODS

- West Hartford High Injury Network
- Public input identified nearby neighborhood as area of interest for Vision Zero
- Access to Sedgwick Middle School and Duffy Elementary School



STUDY AREA IDENTIFICATION

- West Hartford High Injury Network
- Public input identified nearby neighborhood as area of interest for Vision Zero
- Access to Sedgwick Middle School and Duffy Elementary School



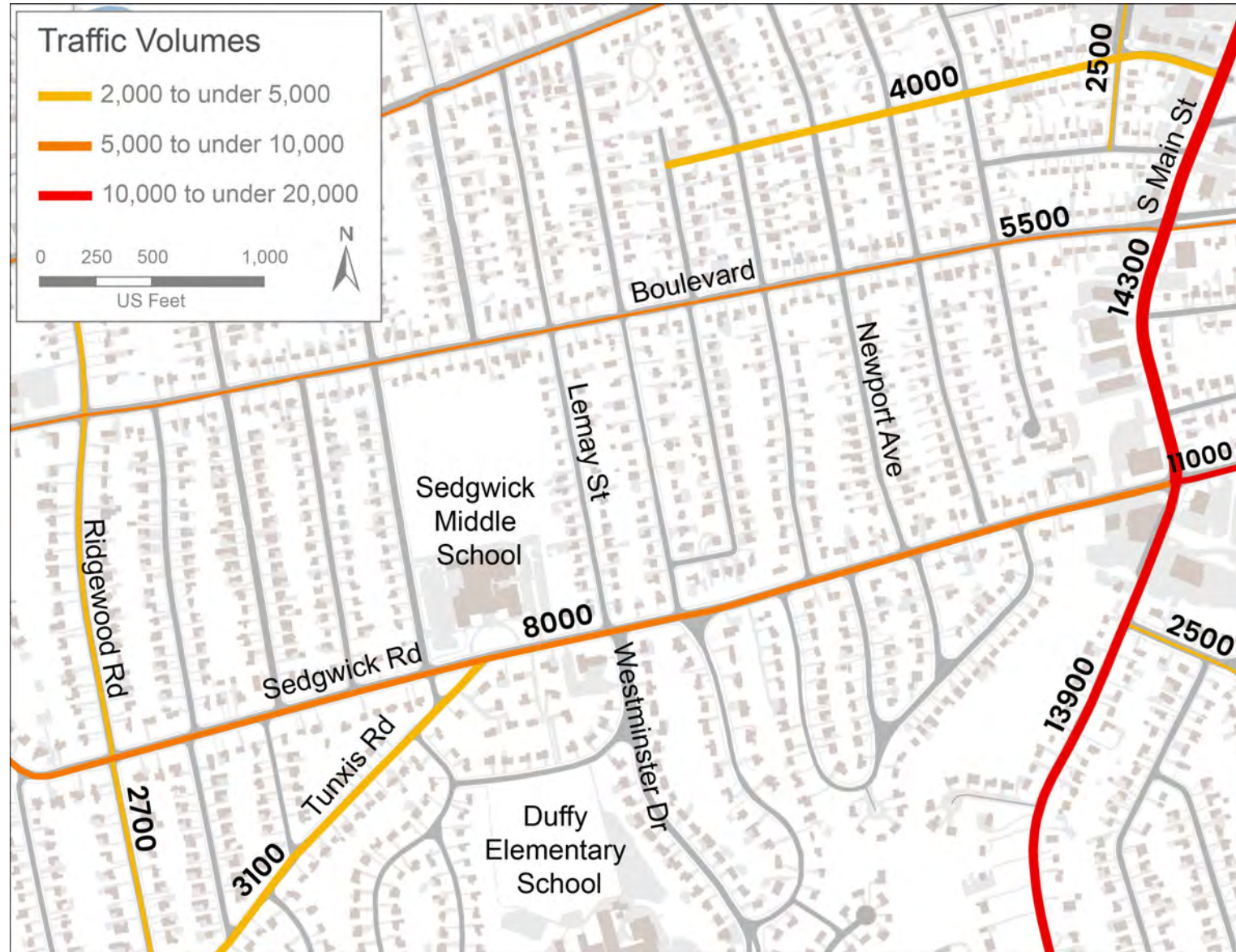
POINTS OF INTEREST

- Residential neighborhoods
- Sedgwick Middle School and Duffy Elementary School
- Commercial node at South Main Street



TRAFFIC VOLUMES

- Approximately 8,000 vehicles per day on Sedgwick Road (2021)
- Volumes are higher on South Main Street at around 14,000
- Traffic counts recorded by the Town in early 2020 showed volumes of 9,391 on Sedgwick Road



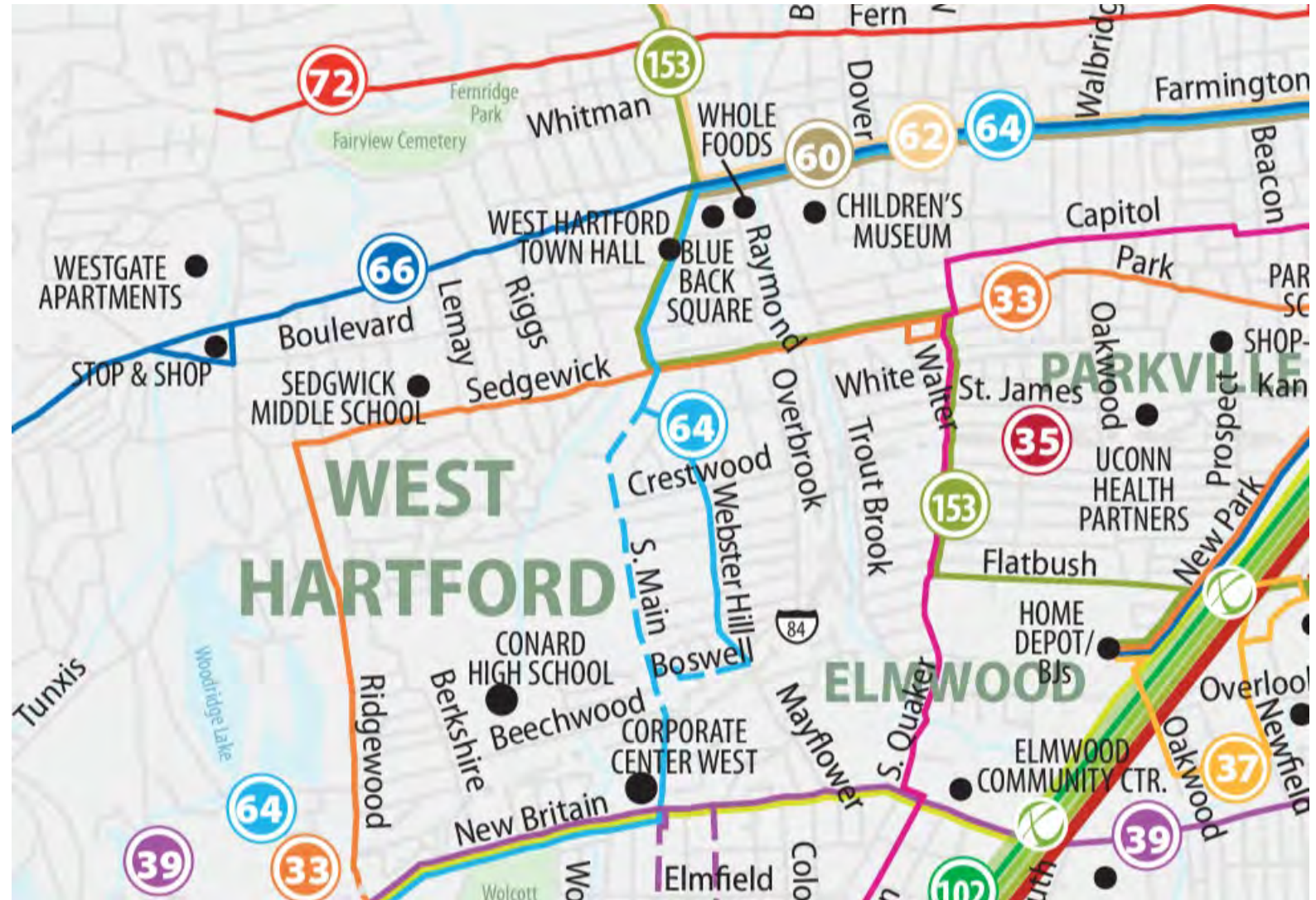
TRAFFIC SPEED LIMITS

- Speed limit in study area is 35 MPH
- During school hours, the area in front of the school drops to 25 MPH
- 85th percentile speeds of 39 MPH near the school zone for Sedgwick Middle School
- On-street parking (appears) to be allowed between Ridgewood Road and Fairlee Road



TRANSIT NETWORK

- **CT*transit*** local Route 33
 - Park Road
 - About 20 Minute Headways
- **Ct*transit*** local Route 64
 - Farmington Avenue – South Main
- **CT*fastrak*** Route 153
- Dial-a-Ride
- Senior Center

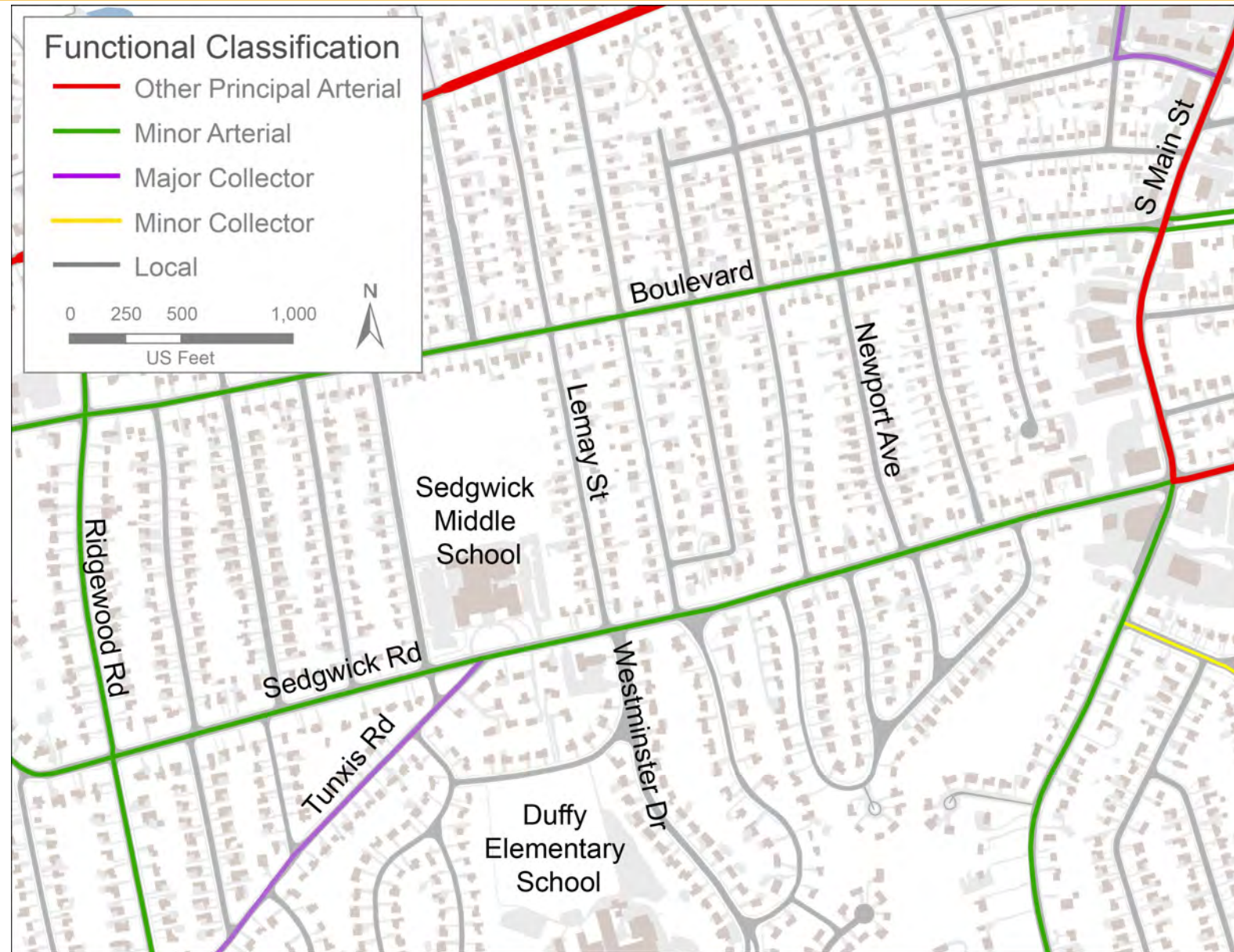


ROADWAY GEOMETRY

Sedgwick Road								
From	Ridgewood Rd		Wardwell Rd		Paxton Rd		Ridgebrook Dr	
To	Wardwell Rd		Paxton Rd		Ridgebrook Dr		South Main St	
Distance	0.3 Mi		0.31 Mi		0.2 Mi		0.13 Mi	
Functional Classification	Minor Arterial		Minor Arterial		Minor Arterial		Minor Arterial	
Speed Limit	35 MPH		35 MPH and 25 MPH during school hours		35 MPH		35 MPH	
Direction	EB	WB	EB	WB	EB	WB	EB	WB
Lanes	1	1	1	1	1	1	2	2
Lane Width	15'	15'	14'	14'	11'	11'	11'	11'
Sidewalk Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sidewalk Width	4'	5'	5'	5'	4-5'	4-5'	5'	5'
Sidewalk Condition	Good	Good	Good	Poor-Good	Good	Poor-Good	Good	Good
ADA Ramp Present	Varies	Yes	Yes	Yes	Varies	Varies	Yes	Yes
ADA Ramp Compliant	Varies	Yes	Yes	Yes	Varies	Varies	Yes	Yes
Curb	Granite	Varies	Granite	Granite	Granite	Granite	Granite	Granite
Parking	Yes	Yes	No	No	Yes	Yes	No	No
Shoulder	N/A	N/A	3-5'	3-5'	N/A	N/A	N/A	N/A
Notes			18' EB lane between Paxton and Riggs					

FUNCTIONAL CLASSIFICATION

- Sedgwick Road is a Minor Arterial roadway
- Ridgewood Road is a Minor Arterial roadway
- South Main Street north of Sedgwick Road is a Principal Arterial, south of Sedgwick Road it is a Minor Arterial
- Tunxis Road is a Major Collector roadway

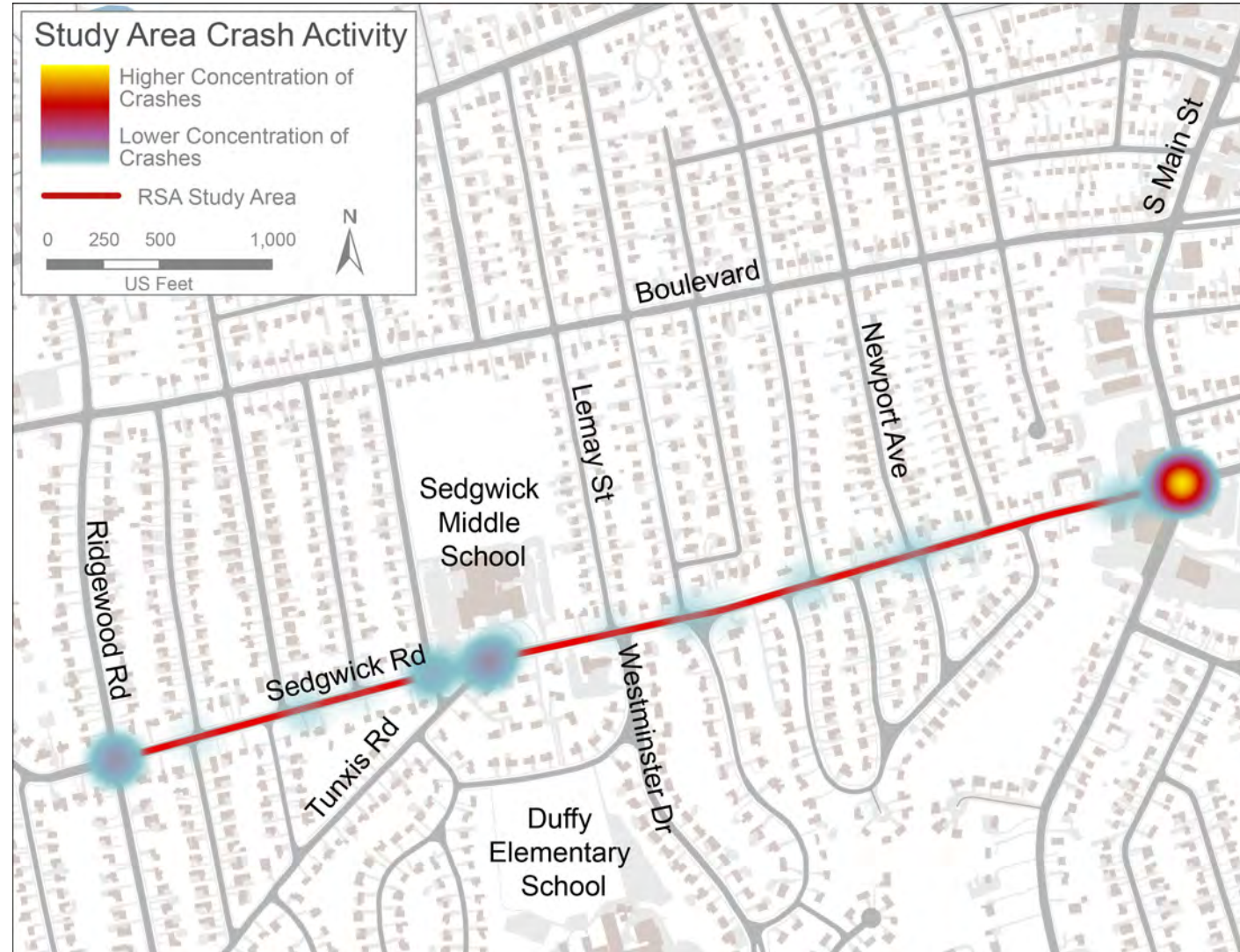


CRASH ANALYSIS

Crash Hotspots (5 Year Crash Total approx.)

84 Crashes Total

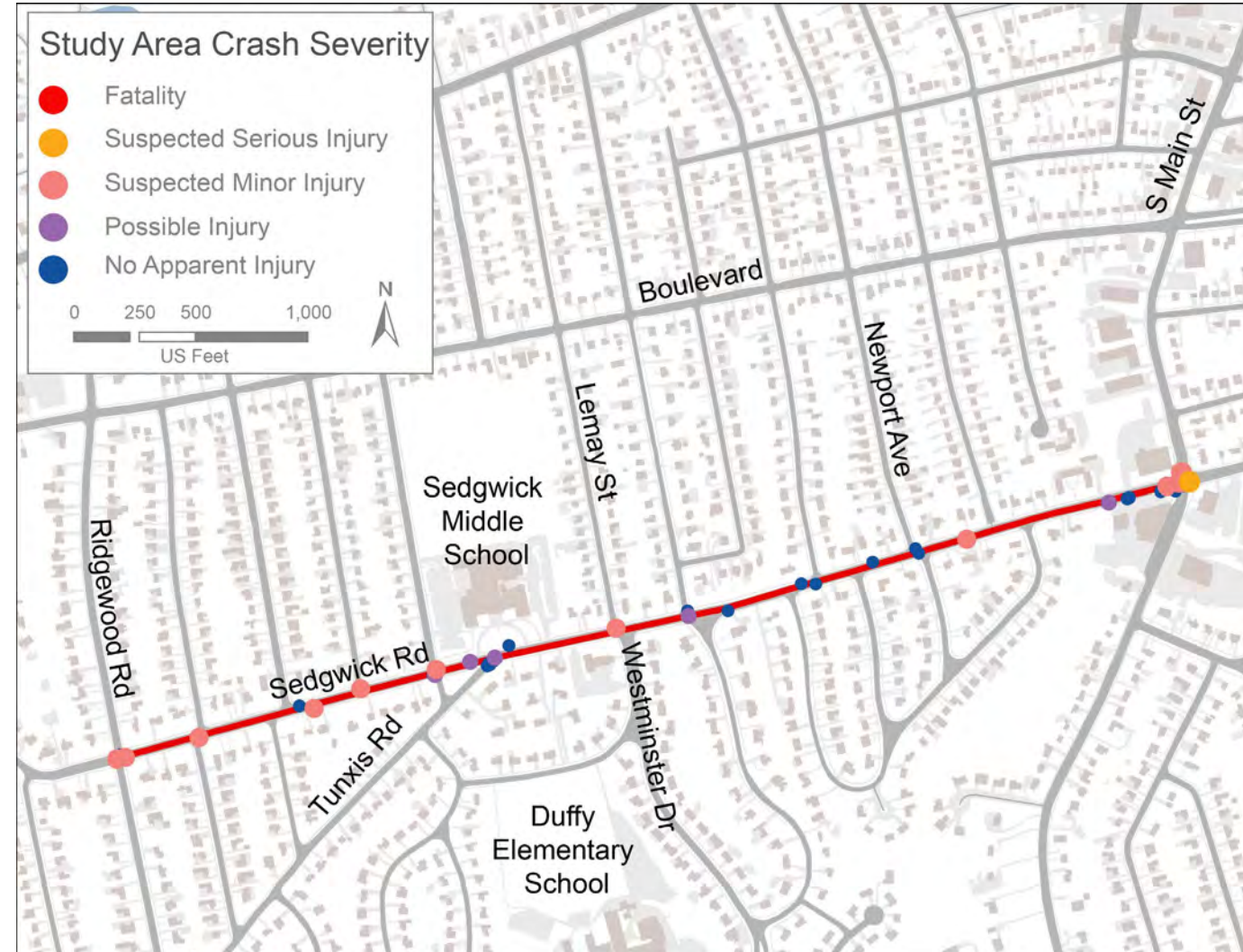
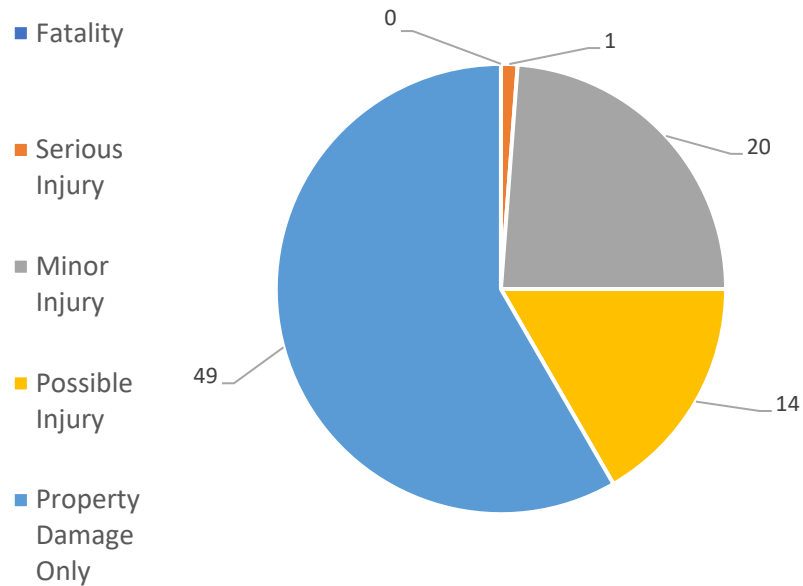
- Ridgewood Rd – 5 crashes (2 injury)
- Tunxis Rd/Wardwell Rd – 12 crashes (5 injury)
- South Main St – 28 crashes (12 injury)



CRASH ANALYSIS

Severity 2019 – 2023

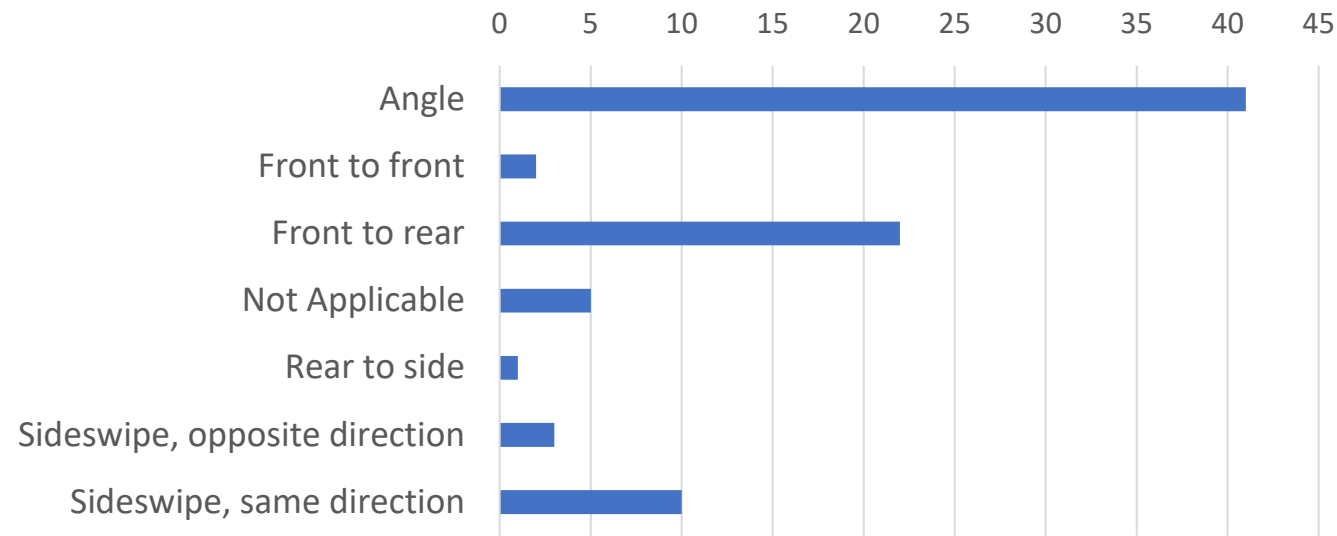
Year	Fatality	Serious Injury	Minor Injury	Possible Injury	Property Damage Only	Total
2019			3	6	6	15
2020			3	1	12	16
2021		1	4	2	8	15
2022			6	4	10	20
2023			4	1	13	18
Total	0	1	20	14	49	84



CRASH ANALYSIS

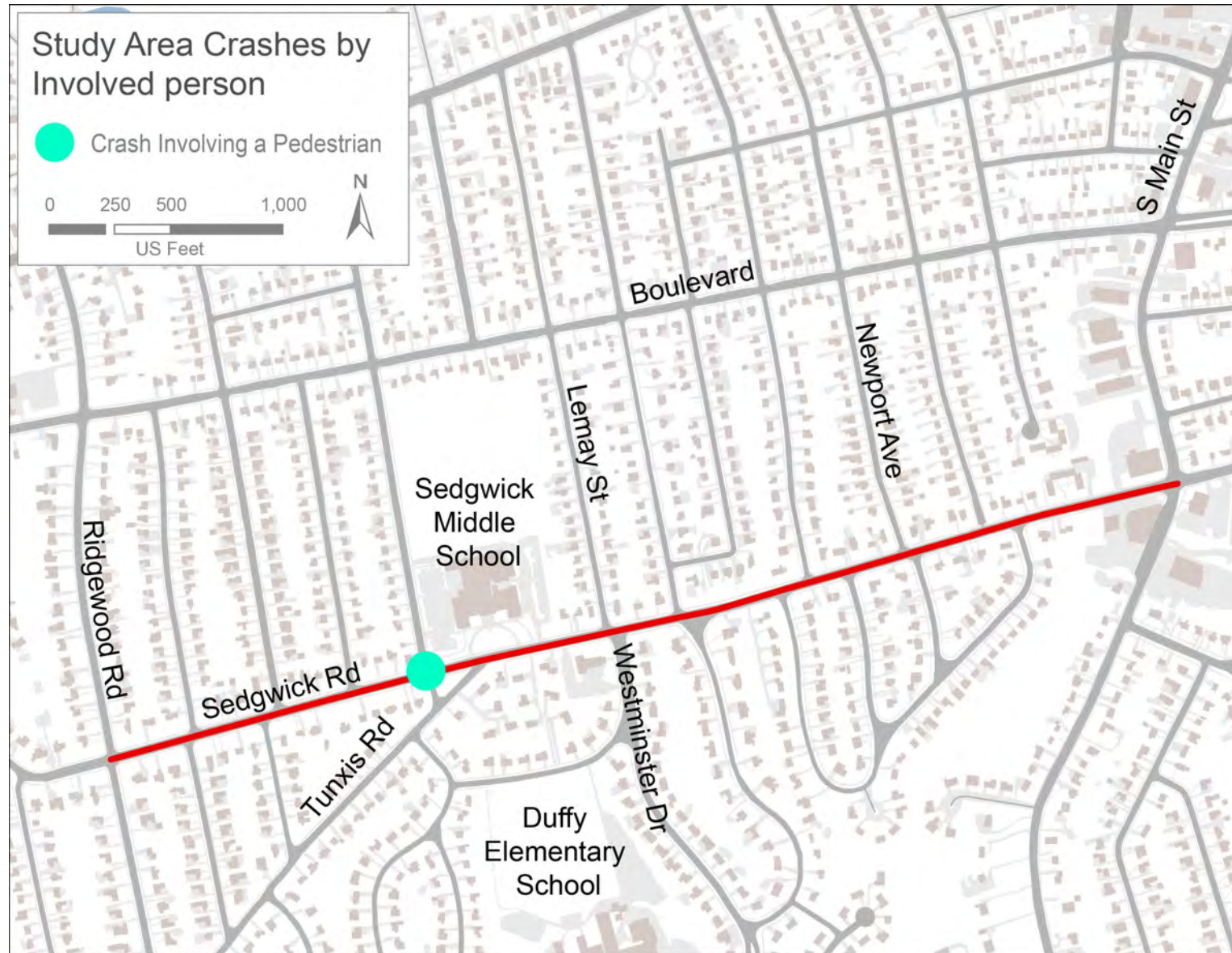
Manner of Impact 2019 – 2023

	Fatality	Serious Injury	Minor Injury	Possible Injury	Property Damage Only	Total
Angle			9	7	25	41
Front to front		1			1	2
Front to rear			8	5	9	22
Not Applicable			1		4	5
Rear to side					1	1
Sideswipe, opposite direction			1		2	3
Sideswipe, same direction			1	2	7	10
Total	0	1	20	14	49	84



CRASH ANALYSIS — INVOLVED PERSON

- 1 crash involving pedestrian
- No apparent injury



SAMPLE IMPROVEMENTS TO IMPROVE SAFETY IN THE STUDY AREA



TYPES OF COUNTERMEASURES

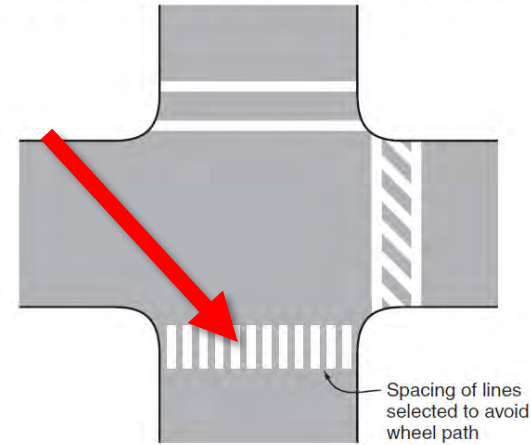
- Pedestrian Countermeasures
 - Bicycle Countermeasures
 - Speed Reduction Measures (Traffic Calming)
 - Vertical Elements
 - Horizontal Elements
 - Cross Sectional and Other Elements
 - Intersection Treatments & Traffic Volume Reduction Measures
-
- ***Some countermeasures may not be appropriate on certain facilities***

PEDESTRIAN COUNTER MEASURES



Pedestrian Refuge Island

Figure 3B-19. Examples of Crosswalk Markings



Crosswalks



RRFB



Raised Crosswalks and Intersections



Crosswalk Lighting



Curb Extensions

BICYCLIST COUNTER MEASURES



Sharrows



Bike Lanes



Buffered Bike Lanes



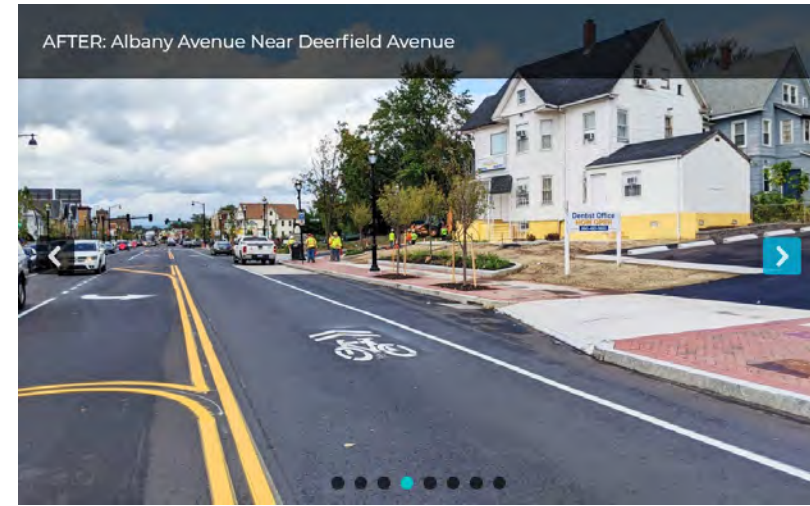
- *West Hartford's Bicycle Plan and Facility Selection & Design Guide (2024) identifies standard bike lanes as acceptable and buffered bike lanes as preferred facility types*

Protected Bicycle Infrastructure

SPEED REDUCTION — CROSS SECTION AND OTHER



Mid-Block Median Island



Streetscape and Street Trees



Road Diet



Dynamic Speed Signs

INTERSECTION TREATMENTS



Roundabout



Half Closure



Through Traffic Restriction



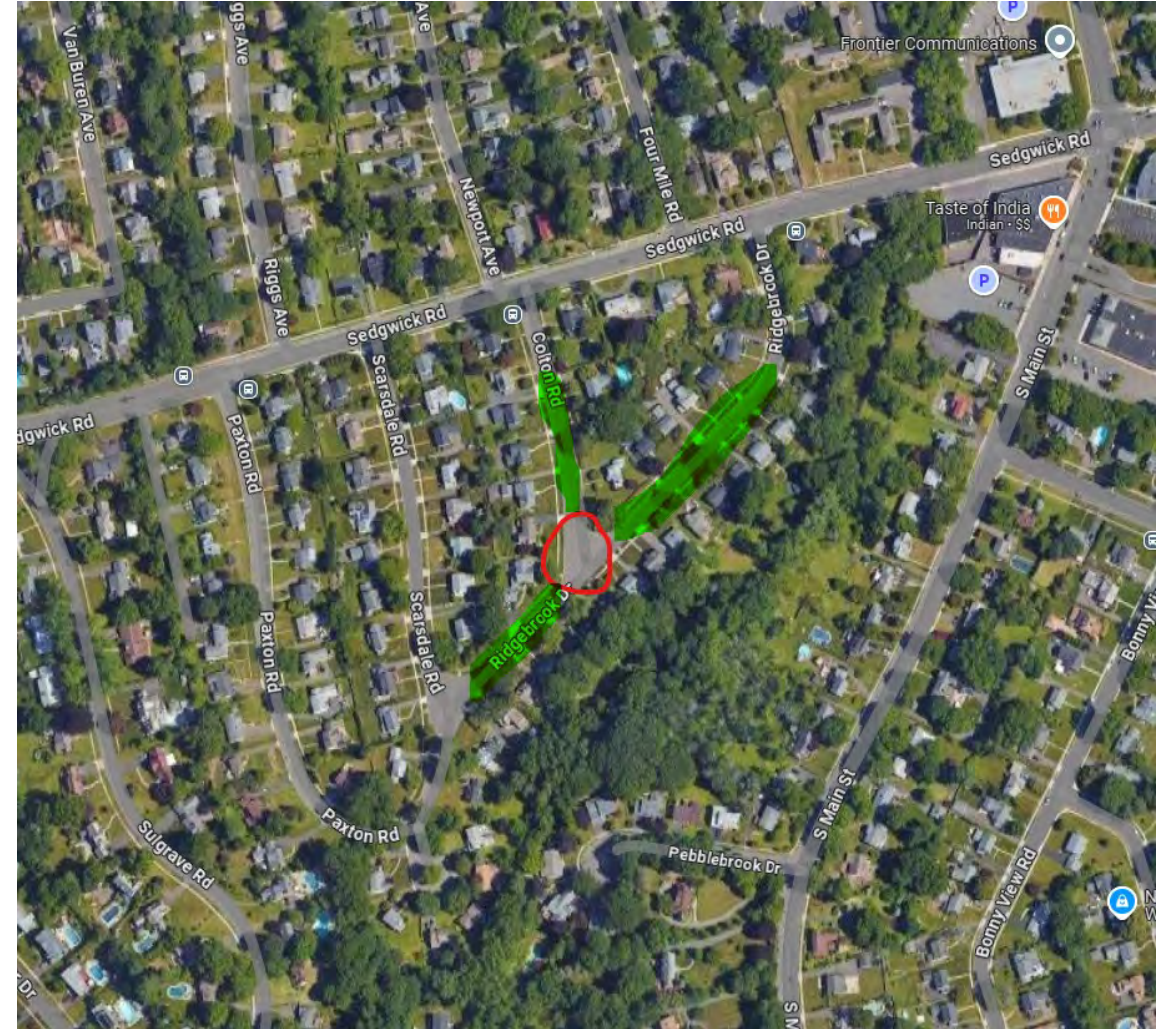
Curb Extensions / Sight Line Improvements

A photograph of a residential street with houses, trees, and cars. The street is paved and has a crosswalk on the left. There are several cars on the road. The sky is overcast. The text "DISCUSSION ON ISSUES IN THE STUDY AREA AND OPPORTUNITIES" is overlaid in white, bold, sans-serif font.

DISCUSSION ON ISSUES IN THE STUDY AREA AND OPPORTUNITIES

TOMORROW'S WALK AUDIT

- Review safety protocols, reflective vests, etc.
- Walk the Study Area corridor and assess existing conditions and identify areas for improvement
- Post Audit discussion immediately following
- Meeting Location – Intersection of Colton Road and Ridgebrook Drive. Park on either Ridgebrook or Colton Rd - September 25 at 12:00 PM



A photograph of a suburban street scene. In the foreground, a crosswalk with white stripes is visible on a dark asphalt road. Three people and a light-colored dog are walking across the crosswalk from left to right. The road has yellow double lines in the center and a white stop line. In the background, there are green trees, a white house with a brown roof, and a cloudy sky. The text "THANK YOU!" is overlaid in white, bold, sans-serif font in the lower center of the image.

THANK YOU!



Appendix B – RSA Materials



Sedgwick Road - Road Safety Audit (RSA)

Site Walk / Visit

West Hartford, CT

Wednesday, September 25th, 2024

AGENDA

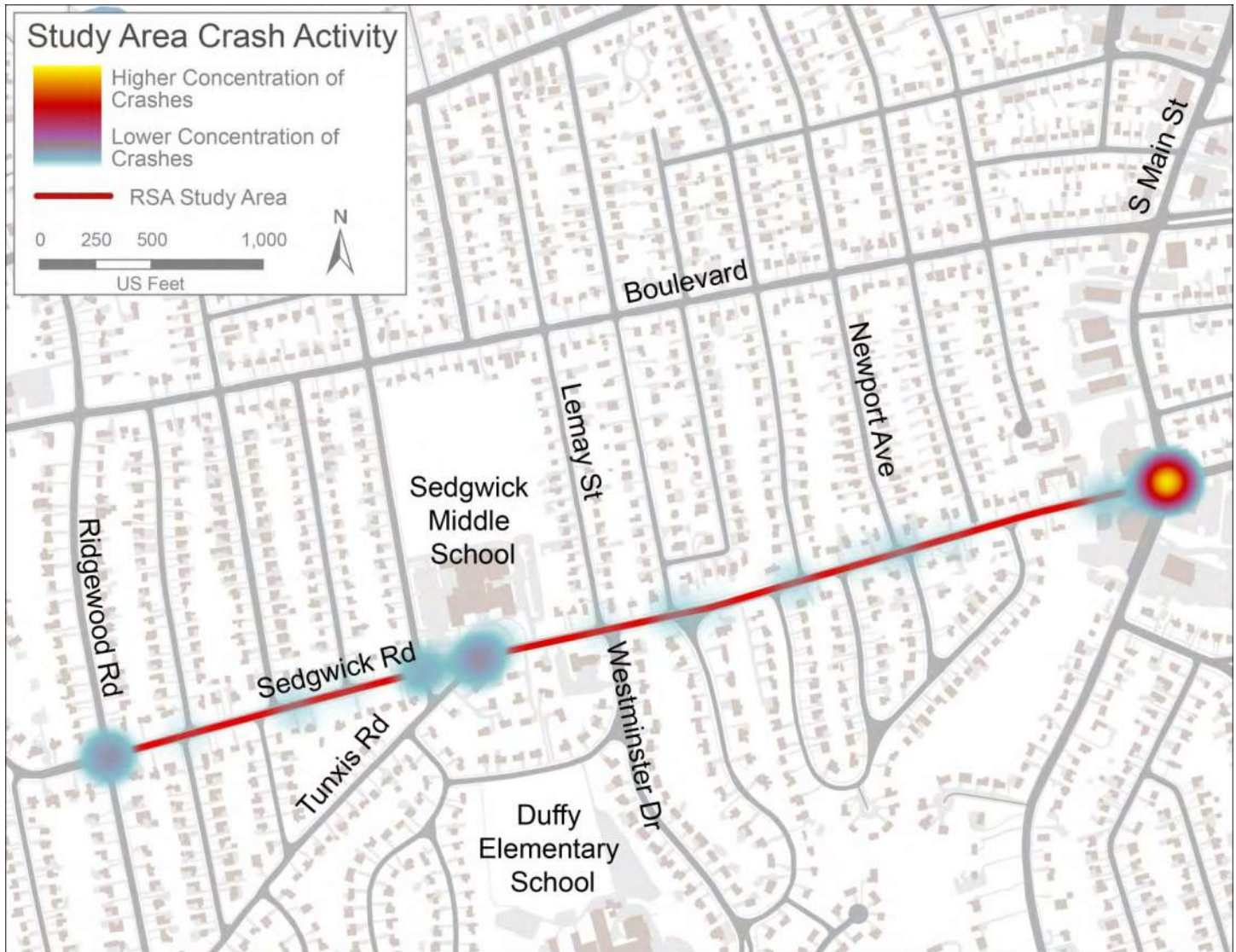
- 1. Welcome and Introductions**
- 2. Route Review**
- 3. Safety Reminders**
- 4. Site Walk**
 - Distribute and discuss field packets
 - o Suggestions for adding feedback
 - Identify issues and improvement opportunities (all participants)
- 5. Post-Audit Recap**
 - Discuss observations and potential improvements
 - Next steps

Participant Expectations

All participants should plan to be actively involved during the entire RSA process. Participants are encouraged to share their ideas, concerns, and comments with the study team at the pre-audit meeting and during the site visit. In addition, after the RSA site visit, participants will be asked to review and comment on the draft report to assure it is reflective of the RSA completed by the multidisciplinary team. Stakeholders' opinions are key elements to the success of the RSA.



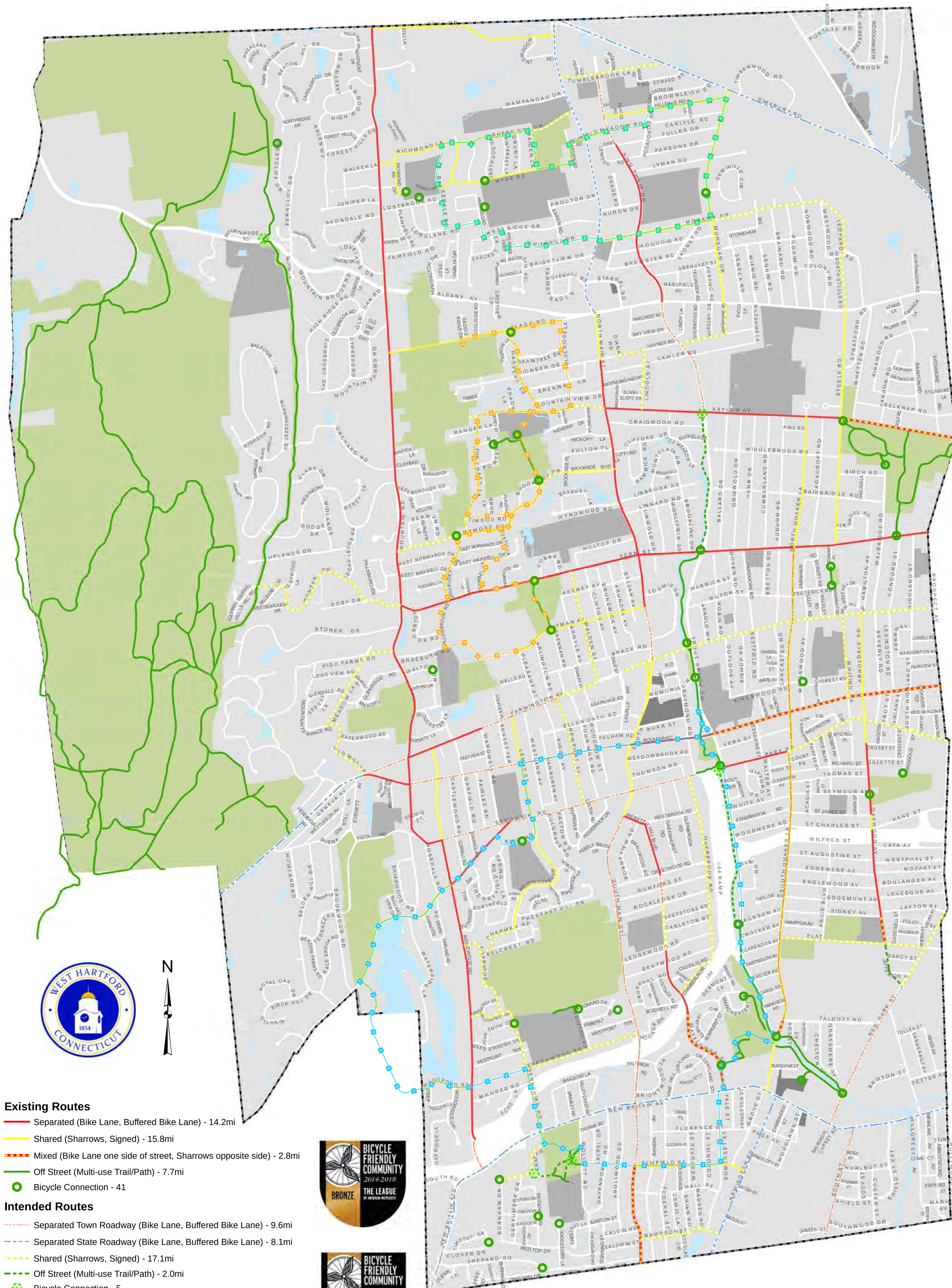
Overall Study Area
Sedgwick Road between Ridgewood Road and South Main Street



Town of West Hartford

Bicycle Facilities Plan

BICYCLE NETWORK MAP



Existing Routes

- Separated (Bike Lane, Buffered Bike Lane) - 14.2mi
- Shared (Sharrows, Signed) - 15.8mi
- Mixed (Bike Lane one side of street, Sharrows opposite side) - 2.8mi
- Off Street (Multi-use Trail/Path) - 7.7mi
- Bicycle Connection - 41

Intended Routes

- Separated Town Roadway (Bike Lane, Buffered Bike Lane) - 9.6mi
- Separated State Roadway (Bike Lane, Buffered Bike Lane) - 8.1mi
- Shared (Sharrows, Signed) - 17.1mi
- Off Street (Multi-use Trail/Path) - 2.0mi
- Bicycle Connection - 5

Recreational Routes

- Green Loop - 4.2mi
- Blue Loop - 8.0mi
- Orange Loop - 5.9mi



Map Compiled by the Department of Community Development
Plan Adopted by Town Council 5-10-16
Revised & Current as of 9-27-2022



RSA Field Sheet

Location 1: Intersection of Sedgwick Road and South Main Street

For each noteworthy feature that you observe along the walking route, write a number at the location on the map below. Write a brief description of your observation for that number under the Notes section. See the attached RSA Field Considerations list for suggested items to observe.

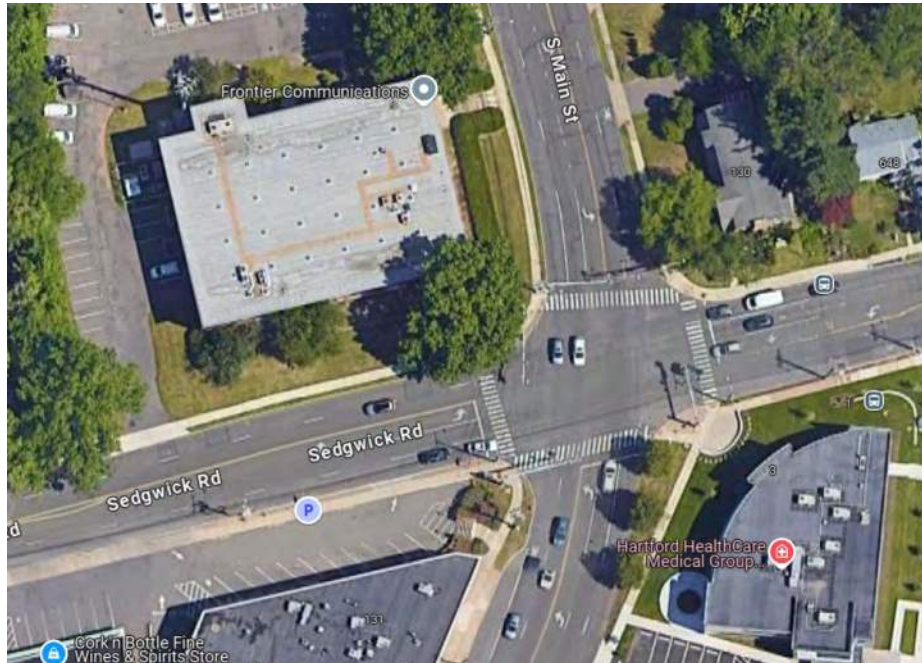


Image Credit: Google Earth Pro, accessed on September 20th, 2024

Notes:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____



RSA Field Sheet

Location 2: Sedgwick Road at Sulgrave Road and Westland Avenue

For each noteworthy feature that you observe along the walking route, write a number at the location on the map below. Write a brief description of your observation for that number under the Notes section. See the attached RSA Field Considerations list for suggested items to observe.



Image Credit: Google Earth Pro, accessed on September 20th, 2024

Notes:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____



RSA Field Sheet

Location 3: Sedgwick Road at Westminster Drive and Lemay Street

For each noteworthy feature that you observe along the walking route, write a number at the location on the map below. Write a brief description of your observation for that number under the Notes section. See the attached RSA Field Considerations list for suggested items to observe.



Image Credit: Google Earth Pro, accessed on September 20th, 2024

Notes:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____



RSA Field Sheet

Location 4: Sedgwick Road at Tunxis Road and Wardell Road

For each noteworthy feature that you observe along the walking route, write a number at the location on the map below. Write a brief description of your observation for that number under the Notes section. See the attached RSA Field Considerations list for suggested items to observe.



Image Credit: Google Earth Pro, accessed on September 20th, 2024

Notes:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____



RSA Field Sheet

Location 5: Intersection of Sedgwick Road and Ridgewood Road

For each noteworthy feature that you observe along the walking route, write a number at the location on the map below. Write a brief description of your observation for that number under the Notes section. See the attached RSA Field Considerations list for suggested items to observe.



Image Credit: Google Earth Pro, accessed on September 20th, 2024

Notes:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____



RSA Field Considerations

Pedestrian Facilities

- Sidewalk - width, slope, condition, drainage, obstruction
- Bus shelter - wheelchair access, boarding area
- Shared use path - width, slope, detectable warning surface

Pedestrian Crossings

- Crosswalks - marked crosswalk, striping, width
- Curb ramps - width, slope, orientation, detectable warning surface, wheelchair accessible grade
- Pedestrian signals - push button height, reach distance
- Crossing time
- Signage
- Sight distance
- Pavement marking
- Refuge island - width, slope, detectable warning surface

Pedestrian Accommodations

- Illumination
- Amenities - benches, trash receptacles

Bicycle Accommodations

- Bicycle facility / design
- Separation from traffic
- Roadway speed limit
- Traffic volume
- Truck / heavy vehicle %
- On-street parking conflict
- Pedestrian conflict
- Visibility
- Bicycle signage / marking
- Shared lane width
- Shoulder condition / width
- Pavement condition
- Debris

Road Facilities

- Access point
- Drainage
- Taper / lane shift
- Roadside clear zone / slope
- Guide rail / barrier
- Capacity issue
- Curbing

Road Surface Condition

- Pavement - roughness or rutting, potholes, loose material
- Edge drop-off
- Drainage

Intersections

- Geometry
- Sight distance
- Traffic control device
- Turning vehicle storage
- Through vehicle bypass width

Signals

- Visibility
- Sight distance
- Operation
- Equipment placement
- Lane capacity

Signage

- MUTCD complaint
- Visibility / placement
- Retro-reflectivity
- Clear / consistent messaging

Pavement Markings

- MUTCD compliant
- Visibility
- Condition
- Snow storage
- Edgeline

Driver Behavior

- Speed limit compliance
- Safe passing
- Distraction
- Unaware of pedestrians / cyclists
- Sight distance

Miscellaneous

- Landscaping / vegetation
- Seasonal events
- Weather impacts



Appendix C – October 2024 Road Counts

For Project:

Project Notes:

Location/Name:

Report Generated:

Speed Intervals

Time Intervals

Traffic Report From

85th Percentile Speed

85th Percentile Vehicles

Sedgwick Rd (#112)

Merged

2/24/2025

10:13:52 AM

1 MPH

Instant

9/23/2024

11:00:00 AM

through

10/6/2024

5:59:59 PM

40 MPH

91259

Total Vehicles

AADT:

107363

8077

Volumes -

weekly counts

	Time	5 Day	7 Day
Average Daily		8041	7668
AM Peak	8:00 AM	593	531
PM Peak	5:00 PM	748	676

Speed

Speed Limit:

85th Percentile Speed:

50th Percentile Speed:

10 MPH Pace Interval:

Average Speed:

35

40

35

31.0 MPH

to

41.0 MPH

34.79

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	6168	7499	7701	7888	7610	8630	7327
% over limit	46.1	45.0	44.8	48.5	45.0	57.4	61.5
Avg Speeder	39.1	39.0	39.0	39.0	39.1	39.4	39.5
Avg Speed	34.3	34.2	34.2	34.8	34.3	35.9	36.3

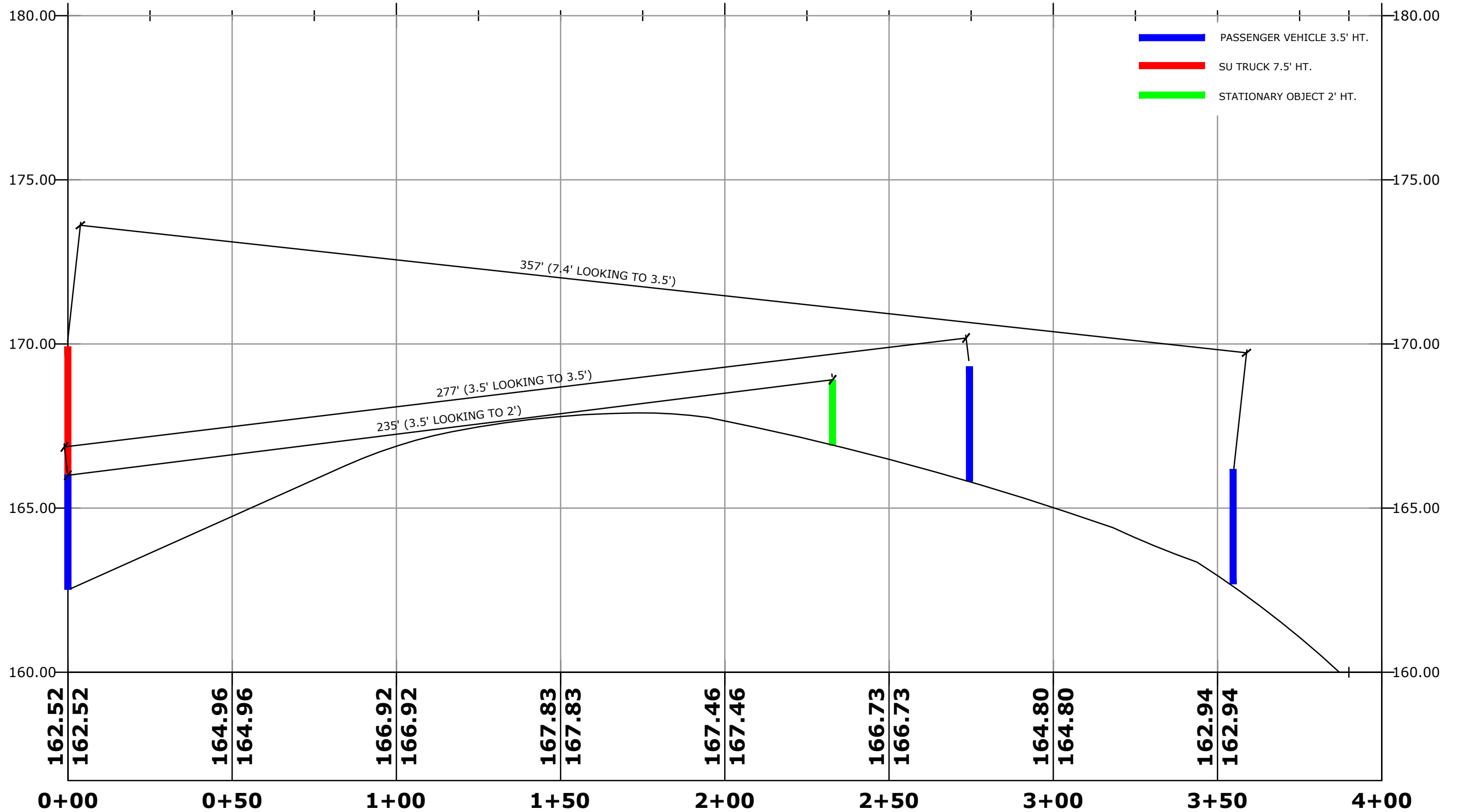
Class Counts

	Number	%
VEH_SM	20	0
VEH_MED	104205	97.1
VEH_LG	3138	2.9
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]



Appendix D – Sight Distance Review

FILE: F:\STREET FILES\Sedgwick Road\DRAWINGS\2025 Reconstruction\Sedgwick Rd Vertical Sightlines.dwg



SIGHTLINE FROM WESTLAND AVE./SULGRAVE RD. LOOKING EAST TO SEDGWICK RD.

NOTE
ELEVATIONS OBTAINED FROM SURVEYED SPOT ELEVATIONS
TAKEN IN MARCH 2023 AND INTERPOLATED FOR ANALYSIS



TOWN OF WEST HARTFORD DEPARTMENT OF COMMUNITY DEVELOPMENT - DIVISION OF ENGINEERING	
SEDGWICK ROAD VERTICAL SIGHTLINES	
DESIGNED BY: SK	SHEET NO. 1 OF 1
SCALE: 1"=30'H 1"=3' V	DATE: DEC. 16, 2024